

PATENT
Application of NEWTON
Ser. No. 09/509,265
Attorney Docket No. 3315/23

REWRITING OF CLAIMS

Please rewrite Claims 1 – 3 and add claims 11 - 16 as follows. A complete copy of the claims is presented, in accordance with the procedure set forth at 37 CFR 1.121.

1. (currently rewritten) A pneumatic control system including a pump and at least one inflatable/deflatable article useful in the clinical treatment of patients, control means for operation of the pump, connection means for connecting the article and pump for fluid flow therethrough, and communication means provided on the pump, and communication means provided on at least one of the pump, the article, and the connection means, wherein upon connection between the pump and the connection means at least one of said communication means is capable of identifying the article and instructing the control means to effect a predetermined compression therapy profile for a patient, the profile comprising at least one inflation and at least one deflation activate the pump accordingly.
2. (currently rewritten) A pneumatic control system as claimed in claim 1, including a pump and at least one inflatable/deflatable article, control means for operation of the pump, connection means for connecting the article and pump for fluid flow therethrough, and communication means provided on at least two of the pump, the article, and the connection means, wherein the communication means are capable of exchanging information or energy so as to identify the article as that compatible to the pump and do not contact each other, to instruct the pump control means to operate the pump to effect a predetermined inflation and/or deflation of the article by the pump.
3. (canceled)
4. (canceled)

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5. (currently rewritten) A pneumatic control system for use in controlling the inflation and/or deflation of a support useful such as a mattress useable for the clinical treatment of patients, including a pump and an inflatable/deflatable support for a patient to lie on, control means to operate the pump, and connection means for connecting the support and pump for fluid flow therethrough, wherein the pump and at least one of the support and the connection means have respective communication means, and wherein upon connection between the pump and the connection means at least one said communication means is capable of identifying the support and to instruct the pump control means to activate the pump accordingly.
6. (previously rewritten) A pneumatic control system as claimed in claim 5, wherein the said communication means are capable of exchanging information or energy to identify the support and to instruct the pump control means to operate the pump to provide a predetermined inflation/deflation of the support for a patient lying thereon.
7. (previously rewritten) A pneumatic control system as claimed in claim 5, wherein the support communication means is located within the connection means connecting the support to the pump.
8. (previously rewritten) A pneumatic control system including a pump and at least one inflatable/deflatable garment to be wrapped around a portion of a patient's body, control means to operate the pump, connection means for connecting the at least one garment and pump for fluid flow therethrough, wherein the pump and at least one of the garment and the connection means have respective communication means, and wherein upon connection between the pump and the connection means at least one of said communication means

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is capable of identifying the at least one garment and instructing the pump control means to activate the pump.

9. (currently rewritten) A pneumatic control system as claimed in claim 8, wherein the said communication means are capable of exchanging information or energy to identify the at least one garment and to instruct the pump control means to ~~activate the pump accordingly and to instruct the pump to control means to~~ operate the pump to provide a predetermined inflation/deflation cycle of the at least one garment suited to the garments' application.

10. (currently rewritten) A pneumatic control system as claimed in claim 8, wherein the garment communication means is located within the connection means ~~connecting the garment to the pump~~.

11. (new) A pneumatic control system for an inflatable/deflatable article useful in the clinical treatment of patients, the pneumatic system comprising control means for operation of a pump, connection means for connecting the article and pump for fluid flow therethrough, communication means provided on at least one of the pump, the article useful in the clinical treatment of patients, and the connection means, wherein upon connection between the pump and the connection means the communication means is capable of identifying a serial number associated with the article.

12. (new) A pneumatic control system for an inflatable/deflatable article useful in the clinical treatment of patients, the pneumatic system comprising control means for operation of a pump, connection means for connecting the article and pump for fluid flow therethrough, communication means provided on at least one of the pump, the article, and the connection means, wherein upon connection between the pump and the connection means the communication means is

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capable of identifying at least one of a manufacturing date associated with the article and a maximum intended time from manufacture to use of the article.

13. (new) A pneumatic control system for an inflatable/deflatable article useful in the clinical treatment of patients, the pneumatic system comprising control means for operation of a pump, connection means for connecting the article and pump for fluid flow therethrough, communication means provided on at least one of the pump, the article useful in the clinical treatment of patients, and the connection means, wherein upon connection between the pump and the connection means the communication means is capable of identifying an application for which at least one of the article and the pump is intended to be used.

14. (new) A pneumatic control system for an inflatable/deflatable article useful in the clinical treatment of patients, the pneumatic system comprising control means for operation of a pump, connection means for connecting the article and pump for fluid flow therethrough, communication means provided on at least one of the pump, the article useful in the clinical treatment of patients, and the connection means, wherein upon connection between the pump and the connection means the communication means is capable of identifying at least one of whether the article is intended for more than a single use, a number of times the article is intended to be used, a duration of time for which the article is intended to be used, and whether the article has been processed for re-use.

15. (new) A pneumatic control system for an inflatable/deflatable article useful in the clinical treatment of patients, the pneumatic system comprising control means for operation of a pump, connection means for connecting the article and pump for fluid flow therethrough, communication means provided on at least one of the pump, the article useful in the clinical treatment of patients, and the

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connection means, wherein upon connection between the pump and the connection means the communication means is capable of identifying at least one of an alarm setting and security information for preventing unauthorized use of the article.

16. (new) A pneumatic control system for an inflatable/deflatable article useful in the clinical treatment of patients, the pneumatic system comprising control means for operation of a pump, connection means for connecting the article and pump for fluid flow therethrough, communication means provided on at least one of the pump, the article useful in the clinical treatment of patients, and the connection means, wherein upon connection between the pump and the connection means the communication means is capable of identifying a predetermined pressure versus time profile for the article, the pressure versus time profile comprising a plurality of predetermined pressures.